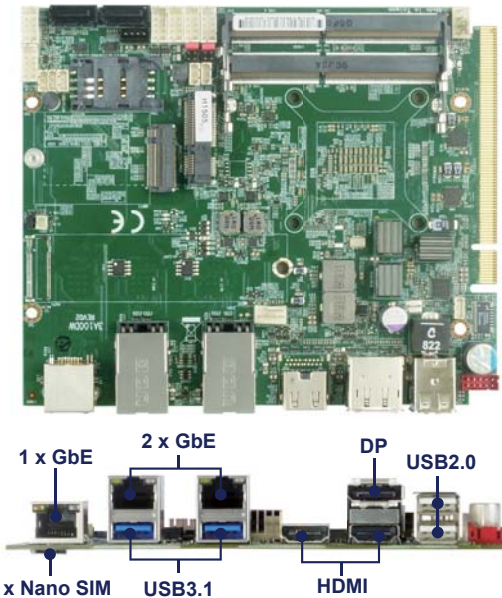


3A100DW-R

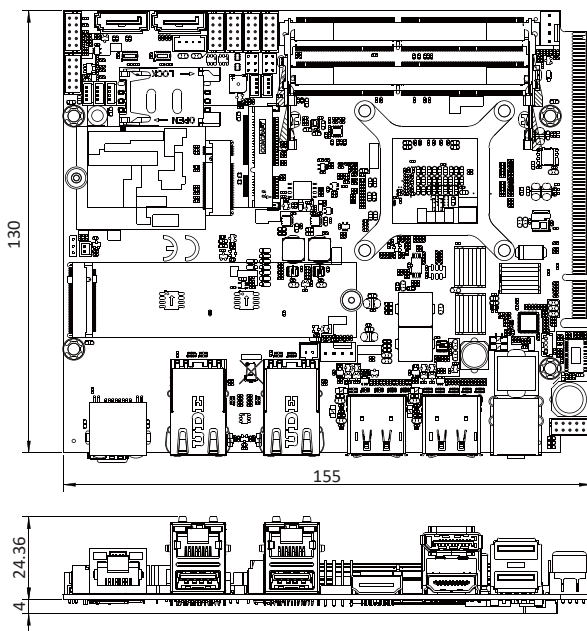
3.5" SBC AMD® Ryzen™ Embedded R1000 Series SoC
 With Independent Three 4K Display
 2 x HDMI, 1 x DP, 3 x GbE, 7 x USB, 8DI / 8DO,
 2 x COM, 1 x Mini PCIe, 2 x SIM, 1 x M.2, 1 x PCIe



Features:

- AMD® Ryzen™ Embedded R1000 Series SoC R1505G 2.4 GHz (Dual Core), TDP 12-25 Watt
- 2 x DDR4 SODIMM socket, Max. 32GB
- Multiple Independent display: 2 x HDMI, 1 x DP
- 3 x Intel GbE, 2 x USB 3.1, 5 x USB 2.0, 2 x COM
- 8DI / 8DO, 1 x Mini PCIe, 1 x M.2, 1 x PCIe, 1 x SIM
- 1 x Nano SIM, TPM 2.0 (Optional)

Dimensions: (Unit:mm)



Specifications :

- CPU
AMD® Ryzen™ Embedded R1000 Series SoC R1505G 2.4 GHz (Dual Core), TDP 12-25 Watt
 - MB Chipset
AMD® Ryzen™ Embedded R1000 Series SoC
 - Graphics
AMD Raden™ Vega 8 integrated
 - System Memory
2 x DDR4 2400 MHz SODIMM, Max. 32GB
 - Storage
1 x M.2 B Key, Type 3042 (mSATA / USB)
1 x mini card socket (mSATA / USB)
2 x SATA ports 3.0 Data transfer rates up to 6.0 Gb/s (600 MB/s), optional to 2 x mSATA
 - BIOS
AMI UEFI BIOS
 - Display
2 x HDMI, 1 x DP
 - TPM
TPM 2.0 (Option)
 - LAN
3 x Intel GbE I210IT (external)
 - Audio (OEM)
High Definition Audio Specification, Support Line-out / Mic-in / Line-in
 - Expansion Interface
1 x Full size Mini PCIe (mSATA / USB) + 1 x Nano SIM
1 x PCIe x 16 golden finger (support PCIe x 4 signal only)
1 x M.2 B Key, Type 3042 (mSATA / USB) + 1 x SIM
- | Expansion Module | |
|---------------------------|--|
| PCIe Card via Backplanes: | 2 x USB 3.1, 2 x 10 GbE LAN, 4 x PoE, 4 x GbE |
| Mini Card: | GPS, 3G / 4G, WI-FI, 2 / 4 x LAN, 4 x COM, CANBus, SDI / AHD Video |
| By Cable: | Bluetooth, Digital I/O, 2 / 4 PoE, 4 x USB mini card |
- USB
2 x USB 3.1 (external) ; 2 x USB 2.0 (external), 3 x USB 2.0 (internal)
 - Serial IO
2 x RS232 / 422 / 485 (internal)
 - GPIO
Hardware digital Input & Output, 8 x DI / 8 x DO
 - WDT
Hardware Watch Dog Timer, 0~255 sec programmable
 - Power Input
Wide Range +12V~24V
 - Dimension
155 x 130 mm
 - Operation Temperature
-20°C~70°C (100% CPU Usage)
 - Operation Humidity
5~95%, non-condensing
 - Chassis (OEM I/O Expansion by request)
Box PC: PALM
 - OS Support
Windows® 10 IOT (64bit), Ubuntu 18.04.2 above, Fedora 29 above